Computer Methods in Applied Mechanics and Engineering 108 (1993) 385–386
North-Holland

Author index of Volume 108*

Arora, J.S., see Lee, T.H. (3–4) 237–259

Behr, M., A. Johnson, J. Kennedy, S. Mittal and T. Tezduyar, Computation of incompressible flows with implicit finite element implementations on the Connection Machine (1–2) 99–118
Belytschko, T. and Y.Y. Lu, Explicit multi-time step integration for first and second order finite element semidiscretizations (3–4) 353–383
Bertóti, E., Complementary energy method for cylindrical shells using second order stress functions (1–2) 147–163

Chopra, M.B. and G.F. Dargush, Thermal stress analysis of axisymmetric bodies via the boundary element method (1–2) 53– 71

Dargush, G.F., see Chopra, M.B. (1–2) 53– 71
Der Kiureghian, A., see Zhang, Y. (1–2) 23– 36
Dubois-Pèlerin, Y. and T. Zimmermann, Object-oriented finite element programming: III. An efficient implementation in C++ (1–2) 165–183

El Sahrawi, Z., see Gardner, L.R.T. (3–4) 303–318

Ferguson, W.J., R.W. Lewis and L. Tömösy, A finite element analysis of freeze-drying of a coffee sample (3–4) 341–352

Gardner, G.A., see Gardner, L.R.T. (3–4) 303–318
Gardner, L.R.T., G.A. Gardner, S.I. Zaki and Z. El Sahrawi, *B*-spline finite element studies of the non-linear Schrödinger equation (3–4) 303–318

Johnson, A., see Behr, M. (1–2) 99–118

Kacou, S. and I.D. Parsons, A parallel multigrid method for history-dependent elastoplasticity computations (1–2) 1– 21
Kasi Viswanadham, K.N.S. and S.R. Koneru, Finite element method for one-dimensional and two-dimensional time dependent problems with B-splines (3–4) 201–222
Kennedy, J., see Behr, M. (1–2) 99–118
Kheyrkhahan, M., see Peek, R. (3–4) 261–279
Kleiber, M., Shape and non-shape structural sensitivity analysis for problems with any material and kinematic non-linearity (1–2) 73– 97
Koneru, S.R., see Kasi Viswanadham, K.N.S. (3–4) 201–222
Kumar, V., see Lee, T.H. (3–4) 237–259

* The issue number is given in front of the page numbers.

Laursen, T.A. and J.C. Simo, Algorithmic symmetrization of Coulomb frictional problems using augmented Lagrangians (1–2) 133–146
Lee, T.H., J.S. Arora and V. Kumar, Shape design sensitivity analysis of viscoplastic structures (3–4) 237–259
Lewis, R.W., see Ferguson, W.J. (3–4) 341–352
Lin, Y.Y., see Lin, Z.C. (1–2) 37– 52
Lin, Z.C., Y.Y. Lin and C.R. Liu, The influence of the degree of constraint on the residual stress of the machined workpiece (1–2) 37– 52
Liu, C.R., see Lin, Z.C. (3–4) 37– 52
Lu, Y.Y., see Belytschko, T. (3–4) 353–383

Mittal, S., see Behr, M. (1–2) 99–118

Parsons, I.D., see Kacou, S. (1–2) 1– 21
Peek, R. and M. Kheyrkhahan, Postbuckling behavior and imperfection sensitivity of elastic structures by the Lyapunov–Schmidt–Koiter approach (3–4) 261–279
Perucchio, R., see Sapidis, N. (3–4) 281–302

Sapidis, N. and R. Perucchio, Combining recursive spatial decompositions and domain Delaunay tetrahedrizations for meshing arbitrarily shaped curved solid models (3–4) 281–302
Simo, J.C., see Laursen, T.A. (1–2) 133–146
Simo, J.C., On a stress resultant geometrically exact shell model. Part VII: Shell intersections with 5/6-DOF finite element formulations (3–4) 319–339
Souli, M. and J.P. Zolesio, Shape derivative of discretized problems (3–4) 187–199
Souli, M., A variational finite element method for the two-dimensional Stokes problem (3–4) 223–236

Tezduyar, T., see Behr, M. (1–2) 99–118
Tömösy, L., see Ferguson, W.J. (3–4) 341–352

Valliappan, S., see Zhao, C. (1–2) 119–131

Zaki, S.I., see Gardner, L.R.T. (3–4) 303–318
Zhang, Y. and A. Der Kiureghian, Dynamic response sensitivity of inelastic structures (1–2) 23– 36
Zhao, C. and S. Valliappan, Mapped transient infinite elements for heat transfer problems in infinite media (1–2) 119–131
Zimmermann, T., see Dubois-Pèlerin, Y. (1–2) 165–183
Zolesio, J.P., see Souli, M. (3–4) 187–199

Computer Methods in Applied Mechanics and Engineering 108 (1993) 387–390
North-Holland

Subject index of Volume 108*

Boundary element methods

Thermal stress analysis of axisymmetric bodies via the boundary element method, M.B. Chopra and G.F. Dargush (1–2) 53– 71

Collocation method

B-spline finite element studies of the non-linear Schrödinger equation, L.R.T. Gardner, G.A. Gardner, S.I. Zaki and Z. El Sahrawi (3–4) 303–318

Coupled problems

A finite element analysis of freeze-drying of a coffee sample, W.J. Ferguson, R.W. Lewis and L. Tömösy (3–4) 341–352

Dynamics

Explicit multi-time step integration for first and second order finite element semidiscretizations, T. Belytschko and Y.Y. Lu (3–4) 353–383

Elasticity

Complementary energy method for cylindrical shells using second order stress functions, E. Bertóti (1–2) 147–163

Finite element and matrix methods

The influence of the degree of constraint on the residual stress of the machined workpiece, Z.C. Lin, Y.Y. Lin and C.R. Liu (1–2) 37– 52
Shape and non-shape structural sensitivity analysis for problems with any material and kinematic non-linearity, M. Kleiber (1–2) 73– 97
Computation of incompressible flows with implicit finite element implementations on the Connection Machine, M. Behr, A. Johnson, J. Kennedy, S. Mittal and T. Tezduyar (1–2) 99–118
Mapped transient infinite elements for heat transfer problems in infinite media, C. Zhao and S. Valliappan (1–2) 119–131
Complementary energy method for cylindrical shells using second order stress functions, E. Bertóti (1–2) 147–163
Object-oriented finite element programming: III. An efficient implementation in C++, Y. Dubois-Pèlerin and T. Zimmermann (1–2) 165–183
A variational finite element method for the two-dimensional Stokes problem, M. Souli (3–4) 223–236
Combining recursive spatial decompositions and domain Delaunay tetrahedrizations for meshing arbitrarily shaped curved solid models, N. Sapidis and R. Perucchio (3–4) 281–302

* The issue number is given in front of the page numbers.

B-spline finite element studies of the non-linear Schrödinger equation, L.R.T. Gardner, G.A. Gardner, S.I. Zaki and Z. El Sahrawi (3–4) 303–318
On a stress resultant geometrically exact shell model. Part VII: Shell intersections with 5/6-DOF finite element formulations, J.C. Simo (3–4) 319–339
A finite element analysis of freeze-drying of a coffee sample, W.J. Ferguson, R.W. Lewis and L. Tömösy (3–4) 341–352
Explicit multi-time step integration for first and second order finite element semidiscretizations, T. Belytschko and Y.Y. Lu (3–4) 353–383

Fluid mechanics

Computation of incompressible flows with implicit finite element implementations on the Connection Machine, M. Behr, A. Johnson, J. Kennedy, S. Mittal and T. Tezduyar (1–2) 99–118

Heat and diffusion

Mapped transient infinite elements for heat transfer problems in infinite media, C. Zhao and S. Valliappan (1–2) 119–131
Combining recursive spatial decompositions and domain Delaunay tetrahedrizations for meshing arbitrarily shaped curved solid models, N. Sapidis and R. Perucchio (3–4) 281–302
A finite element analysis of freeze-drying of a coffee sample, W.J. Ferguson, R.W. Lewis and L. Tömösy (3–4) 341–352

Modern computer architecture

A parallel multigrid method for history-dependent elastoplasticity computations, S. Kacou and I.D. Parsons (1–2) 1– 21
Computation of incompressible flows with implicit finite element implementations on the Connection Machine, M. Behr, A. Johnson, J. Kennedy, S. Mittal and T. Tezduyar (1–2) 99–118

Nonlinear mechanics

Shape and non-shape structural sensitivity analysis for problems with any material and kinematic non-linearity, M. Kleiber (1–2) 73– 97
Algorithmic symmetrization of Coulomb frictional problems using augmented Lagrangians, T.A. Laursen and J.C. Simo (1–2) 133–146
Postbuckling behavior and imperfection sensitivity of elastic structures by the Lyapunov–Schmidt–Koiter approach, R. Peek and M. Kheyrkhahan (3–4) 261–279

Numerical solution procedures

Dynamic response sensitivity of inelastic structures, Y. Zhang and A. Der Kiureghian (1–2) 23– 36
Mapped transient infinite elements for heat transfer problems in infinite media, C. Zhao and S. Valliappan (1–2) 119–131
Finite element method for one-dimensional and two-dimensional time dependent problems with B-splines, K.N.S. Kasi Viswanadham and S.R. Koneru (3–4) 201–222
Combining recursive spatial decompositions and domain Delaunay tetrahedrizations for meshing arbitrarily shaped curved solid models, N. Sapidis and R. Perucchio (3–4) 281–302

Explicit multi-time step integration for first and second order finite element semidiscretizations, T. Belytschko and Y.Y. Lu (3–4) 353–383

Optimization

Dynamic response sensitivity of inelastic structures, Y. Zhang and A. Der Kiureghian (1–2) 23– 36
Shape derivative of discretized problems, M. Souli and J.P. Zolesio (3–4) 187–199
Shape design sensitivity analysis of viscoplastic structures, T.H. Lee, J.S. Arora and V. Kumar (3–4) 237–259

Optimization and design of structures

Shape and non-shape structural sensitivity analysis for problems with any material and kinematic non-linearity, M. Kleiber (1–2) 73– 97

Phase changes

A finite element analysis of freeze-drying of a coffee sample, W.J. Ferguson, R.W. Lewis and L. Tömösy (3–4) 341–352

Plasticity

A parallel multigrid method for history-dependent elastoplasticity computations, S. Kacou and I.D. Parsons (1–2) 1– 21
Dynamic response sensitivity of inelastic structures, Y. Zhang and A. Der Kiureghian (1–2) 23– 36
The influence of the degree of constraint on the residual stress of the machined workpiece, Z.C. Lin, Y.Y. Lin and C.R. Liu (1–2) 37– 52

Shells and plates

Complementary energy method for cylindrical shells using second order stress functions, E. Bertóti (1–2) 147–163
Postbuckling behavior and imperfection sensitivity of elastic structures by the Lyapunov–Schmidt–Koiter approach, R. Peek and M. Kheyrkhahan (3–4) 261–279
On a stress resultant geometrically exact shell model. Part VII: Shell intersections with 5/6-DOF finite element formulations, J.C. Simo (3–4) 319–339

Singularity methods

Object-oriented finite element programming: III. An efficient implementation in C++, Y. Dubois-Pèlerin and T. Zimmermann (1–2) 165–183

Solution of differential equations

Finite element method for one-dimensional and two-dimensional time dependent problems with B-splines, K.N.S. Kasi Viswanadham and S.R. Koneru (3–4) 201–222

Solutions of ordinary and partial differential equations

Finite element method for one-dimensional and two-dimensional time dependent problems with B-splines, K.N.S. Kasi Viswanadham and S.R. Koneru (3–4) 201–222

Spline approximation

B-spline finite element studies of the non-linear Schrödinger equation, L.R.T. Gardner, G.A. Gardner, S.I. Zaki and Z. El Sahrawi (3–4) 303–318

Stability in structural mechanics

Postbuckling behavior and imperfection sensitivity of elastic structures by the Lyapunov–Schmidt–Koiter approach, R. Peek and M. Kheyrkhahan (3–4) 261–279

Structural mechanics

The influence of the degree of constraint on the residual stress of the machined workpiece, Z.C. Lin, Y.Y. Lin and C.R. Liu (1–2) 37– 52
Thermal stress analysis of axisymmetric bodies via the boundary element method, M.B. Chopra and G.F. Dargush (1–2) 53– 71
Shape and non-shape structural sensitivity analysis for problems with any material and kinematic non-linearity, M. Kleiber (1–2) 73– 97
Algorithmic symmetrization of Coulomb frictional problems using augmented Lagrangians, T.A. Laursen and J.C. Simo (1–2) 133–146
Shape design sensitivity analysis of viscoplastic structures, T.H. Lee, J.S. Arora and V. Kumar (3–4) 237–259

Thermal effects and thermal dynamics

Thermal stress analysis of axisymmetric bodies via the boundary element method, M.B. Chopra and G.F. Dargush (1–2) 53– 71
A finite element analysis of freeze-drying of a coffee sample, W.J. Ferguson, R.W. Lewis and L. Tömösy (3–4) 341–352

Transport phenomena

A finite element analysis of freeze-drying of a coffee sample, W.J. Ferguson, R.W. Lewis and L. Tömösy (3–4) 341–352

Viscoelastic and viscoplastic media

Shape design sensitivity analysis of viscoplastic structures, T.H. Lee, J.S. Arora and V. Kumar (3–4) 237–259

Wave motion

B-spline finite element studies of the non-linear Schrödinger equation, L.R.T. Gardner, G.A. Gardner, S.I. Zaki and Z. El Sahrawi (3–4) 303–318